

DD/S 66-4237

CC-171-66-236

10 AUG 1966

MEMORANDUM FOR: Deputy Director for Support

SUBJECT : NCS Resource Inventory

1. This memorandum submits a recommendation for your approval; this recommendation is contained in paragraph 4.
2. The Manager, National Communications System (NCS) received draft copies of the attached papers from the Chief, Military Division, Bureau of Budget (BOB) asking for his comments prior to submitting the paperwork to the Director, Bureau of Budget for signature and release. The Manager, NCS in turn, on 9 August, had his staff provide copies to the principal Operating Agency representatives requesting informal comments from their Organizations by close of business 11 August. The Office of Communications contacted the staff of the Office of Planning, Programing and Budgeting to determine whether Agency BOB contacts were aware of this draft paper work and to solicit PPB reaction to it. Telephone contact by PPB with Mr. Thomas of BOB revealed his awareness of the paper work, but without any detailed knowledge concerning background or ultimate purpose.
3. As you know, the subject of providing program, planning and budgeting type information identified with NCS requirements has appeared several times before and it has been considered by all parties concerned, that in some form or other the Operating Agencies would inevitably be required to furnish data. After studying the attached paper, it is our opinion that they constitute less of a problem to the Agency than earlier approaches to the same general problem. We believe that the Agency could respond with information already known to NCS officials, amplified as required, but without getting into Agency sensitive details. In view of this and our belief that we could not attack the principle represented in the BOB paper work, we propose to inform the Manager, NCS that we have no comment on the draft papers.

4. It is requested that you approve our proposed "no comment" response to the Manager, National Communications System.


Director of Communications

Att

Draft papers fm BOB to
Mgr NCS

CONCURRENCE:

(signed) John M. Clarke

Director, Planning, Programing and Budgeting

10 AUG 1963
Date

The recommendation contained in paragraph 4 is approved.


SIGNED D. E. [unclear]
Deputy Director for Support

10 AUG 1963
Date

Distribution:

O & 2 - Addr (Return to D/CO)

1 - PPB

2 - DD/S 

ROUTING AND RECORD SHEET				
SUBJECT: (Optional)				
FROM:		EXTENSION	NO.	
25X1 Director of Communications (DX-6)			CC 77-66-1236	
TO: (Officer designation, room number, and building)		DATE		10 AUG 1966
		OFFICER'S INITIALS		COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
		RECEIVED	FORWARDED	
1.	Dir/ PPB 6 E 25			<p>To: 2 FYI -</p> <p>Your DD/S 66-0554, 29 Jan 1966 (with attached OC 4314, 25 Jan 1966) reflected the last previous chapter which involved proposed procedures containing for CIA real and considerable worries and problems not included this time.</p> <p>JWC</p> <p>1 to 2: Bob: I have discussed this in general terms with Col. White over lunch today, and I believe he accepts the conclusion of the attached memo. The admonition he did express is one I share and that is the Agency must insure that the integrity of our communications system is maintained and that at no point should the responsibility for budgeting therefor or the decision with respect to the needs of that budget be relegated outside the Agency. You will note that the proposed Bureau draft, which is clearly the trend of our time, identifies this as a programming & planning exercise and in this sense, I believe we have nothing to lose in going along with it. I concur with [redacted] view that the Agency should reserve the right to identify the ingredients of our submissions and I don't see going along with the current Bureau draft hurts us in this respect. Recommend your approval.</p> <p>JMC</p>
2.	DD/S 7 D 18			
3.	D/CO 2 D 00 (DX-6)			
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15.				

INFORMATION

MR. WARFIELD *WJ*

SMR

REGISTRY

TRANSMITTAL SLIP

DATE

10 August 1966

TO:

Mr. Bannerman via Mr. Warfield

ROOM NO.

BUILDING

VIA

REMARKS:

Recommend your signature.

VRT

FROM:

ROOM NO.

BUILDING

EXTENSION

FORM NO. 241
1 FEB 55REPLACES FORM 36-8
WHICH MAY BE USED.

(17)

July 21, 1966

DRAFT LETTER TO NCS CONSTITUENT AGENCIES

Dear Mr. _____:

The progress made during the past three years with the National Communications System (NCS) has been a heartening indication of what can be achieved through interagency action in support of national objectives. Based on this start, we can and should move now to improve and strengthen the planning and programming functions of the NCS.

With this objective in mind and in accord with Bureau of the Budget responsibilities under the NCS charter, I request that you furnish the information and cooperate with the NCS management staff in taking the steps set forth in my letter to the Executive Agent, a copy of which is attached. The Executive Agent will incorporate this information into the annual Long-Range Plan for submission to the President. While the attached letter describes the actions to be taken in some detail, the thrust of this request is the establishment of inventory and projected data on assets, services provided, and resources.

Several points on the importance and meaning of this step should be emphasized. It seems self-evident that a sensible job in planning and programming for national communication needs cannot be accomplished without a clear knowledge of the total systems involved, the usage of such systems, and the proposed changes in each category. It is equally clear that development of plans and programs without reference to the resources required are, of necessity, incomplete. For these reasons, the availability of such information in established NCS channels is essential.

In requesting the addition of an adequate data base for the NCS, I recognize the desirability of avoiding duplication of data flow and decision processes both within the agencies and outside. In this regard, the timing and content of the requested data should minimize this problem. I also recognize that NCS assets serve agency as well as NCS purposes and that each purpose generates its own demands. While each agency is best able to develop programs to meet its own needs, the NCS structure should be best able to evaluate national needs. I believe that the steps requested are a necessary ingredient to permit an evaluation from a national perspective and expect the data to be used for such purposes.

I am sure that you will cooperate in this endeavor so that the NCS continues to evolve toward the objectives visualized for it when it was established.

Sincerely,

Charles L. Schultze
Director

cc: Special Assistant to the President for Telecommunications
Special Assistant to the President for National Security Affairs

July 21, 1966

Honorable Robert S. McNamara
Executive Agent, National Communication System
Department of Defense
Washington, D. C. 20301

Dear Mr. McNamara:

Nearly three years experience has been achieved with the National Communications System and the original procedures and working relationships established for its implementation. I think real progress has been made toward attaining the goals of the NCS. The Second Long Range Plan recently submitted to the President reflects the sound administrative practices which have been established between the Executive Agent and the NCS agencies. The result has been a sharpened awareness of national communications needs and problems, and greater coordination in agency planning for communications.

By building upon this foundation, we now can and should move to strengthen further the planning and programming functions of the NCS. Essential to this objective is the establishing of an NCS resource inventory which would describe for the present and future the physical assets, the service provided, and the total funding and manpower for each of the networks comprising the NCS. Incorporating this information into future NCS Component Plans and Long Range Plans for submission to the President will permit achievement of a better perspective and appraisal of contemplated component programs and the composite total. Where warranted, it should facilitate analysis in depth of alternative ways of satisfying user needs.

Therefore, in accordance with responsibilities assigned to the Bureau of the Budget by the NCS charter, I am asking all NCS agencies to submit to the Executive Agent specific program and cost information for inclusion in the NCS planning and programming process. The Executive Agent will transmit, for advanced information, one set of Agencies' submissions to the Special Assistant to the President for Telecommunications. The attached instructions outline the categories of information requested and the suggested format. I am sending a copy of this letter to each of the NCS constituent agencies together with covering letter explaining this new step (copy attached).

It will, of course, be necessary to work out a number of details in complying with the instructions. For example, considerable work will be required initially in determining what portions of agency networks should be defined as NCS resources. Because of the detailed and individual nature of such determinations, it is appropriate that such work be done by the NCS Manager in cooperation with the constituent agencies rather than attempting to spell out these determinations in this letter.

The NCS data formats and planning procedures can and should be compatible and consistent with agency program structures and procedures in being or emerging pursuant to law. Section 66-3, thereby minimizing special exercises and onerous workload. To accomplish this, I am asking the agencies to submit the NCS program and cost data to the Executive Agent in May, consistent with the timing of the submission of the overall agency program to the Bureau, to be followed by the submission of the annual NCS plan to the President in September. You will note that the September

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submission date for the Long Range Plan constitutes a formal change to the schedule outlined in the August 21, 1963 memorandum establishing the NCS.

For the coming year, the establishment of an initial NCS program structure and data base before the end of the year would permit issuance of planning guidance to the agencies early next year, in anticipation of the May submission.

I will follow your progress in achieving the improvements which I have requested with great interest. Members of my staff will be available to assist as necessary.

Sincerely,

Charles L. Schultze
Director

Attachment

cc: Special Assistant to the President for Telecommunications
Special Assistant to the President for National Security Affairs

Instructions to all NCS Agencies

In order to strengthen the planning and programming functions of the National Communications System, it is necessary to obtain additional information relating to the costs, capabilities, and utilization of the individual networks comprising the NCS. The information called for below will be submitted to the Executive Agent in May 1967 for use in formulating and incorporation into the third NCS Long Range Plan for submission to the President and annually thereafter. The specific information requested is as follows:

I. Description of principal network transmission facilities

For each network of the NCS provide a narrative description of the current (e.g. FY 1967) physical facilities of the network. Indicate the type of transmission media, the number of voice equivalent channel-miles, the type and number of major stations including switches, relays, transmitter and receiver sites. Include a map or chart showing the location of the principal stations, circuits, and RF spectrum allocations for government owned facilities, or an indication that leased facilities are used.

Describe in a similar fashion changes to the current network configuration and frequency utilization planned or proposed for the next five years (e.g. FY 1968-1972.)

II. Network service capabilities and utilization

For each NCS network indicate the number of communications terminals directly connected to the network. Use the following format for this purpose:

Number of terminals
directly connected to network

<u>Type of terminal</u>	<u>FY 1967</u>	<u>FY 1968</u>	<u>FY 1969</u>	<u>FY 1970</u>	<u>FY 1971</u>	<u>FY 1972</u>
Voice						
Teletype						
Data						
Facsimile						

Describe special user features which are provided or planned for each network, such as security, conferencing, pre-emption, interconnect capability, etc.

Regarding network utilization, provide the most recent data on network traffic measured in terms most meaningful to the planning of future network capacity (such as peak period or annual usage) and project this measure for the FY 1968-1972 time period. Use the following format for this purpose:

<u>Latest traffic count (date)</u>	<u>Number of user actions</u>					
	<u>FY 1967</u>	<u>FY 1968</u>	<u>FY 1969</u>	<u>FY 1970</u>	<u>FY 1971</u>	<u>FY 1972</u>
Voice						
Teletype						
Data						
Facsimile						

In conjunction with this information provide a brief description (sampling technique, size, and frequency, etc.) of current and planned procedures for measuring traffic on each network.

III. Network funding and manpower resources

For each NCS network, indicate the planned or proposed Total Obligational Authority (TOA) or costs for the time period FY 1967-1971 for research and development, investment, and operations. Where reimbursable

programs are involved, the performing agency will identify gross network TOA or costs regardless of source, but identify source of funding in separate sub entries. (User agencies will not report their costs reimbursed to other agencies.) Use the following format for this purpose:

FY 1967 FY 1968 FY 1969 FY 1970 FY 1971 FY 1972

Research and development

Investment

(Construction)

(Procurement)

Operations

(Leases)

(Other operating costs) _____

Total network TOA

Source of TOA

(list by agency)

Also indicate the Government manpower associated with each NCS network using the following format:

FY 1967 FY 1968 FY 1969 FY 1970 FY 1971 FY 1972

Direct operations

Management and administration _____

Total manpower

NCS Agencies may have programmed resources of an NCS nature, in addition to the foregoing for (1) efforts not directly related to the functioning of a particular NCS network, such as basic communications research and development or improvement programs, or (2) efforts directly related to the functioning of more than one NCS network, such as area or regional control facilities. Identify the programs proposed for efforts in these categories and provide a brief description of the major programs involved.

Judgments will be made by the NCS Manager and constituent agencies as required in order to insure the relevance of the information in this category to the NCS and to insure sufficiently broad classifications to avoid unnecessary detail.

IV. General Information

In addition to the foregoing, each agency is encouraged to include for each network a brief narrative summary highlighting any significant aspects of current and future plans for the network.